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I hereby certify that this correspondence is being sent by first class mail to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA, on July 15, 2005.


Elena M. Cuthbertson

**PATENT APPLICATION
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

IN THE APPLICATION OF
SHIN UTSUNOMIYA, ET AL.

DOCKET NO.: TOYO-5

SERIAL NO.: 10/535,045

EXAMINER: UNKNOWN

FILED: MAY 13, 2005

ART UNIT:

TITLE: PHOTSENSITIVE RESIN COMPOSITION AND METHOD FOR
FORMING HYDROGEL

WILMINGTON, DE
DATE: July 15, 2005

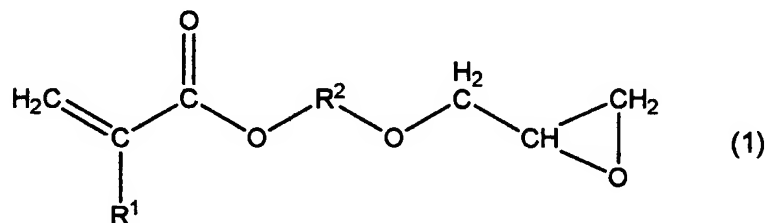
PRELIMINARY AMENDMENT

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Please amend the above-identified application as follows:

1. (currently amended) A photosensitive resin composition comprising
a poly((meth)acrylic acid)-based water-soluble photo-sensitive resin (A) having
an acid value of ~~150~~ 170 mgKOH/g or more on a solid basis;
the resin (A) being formed of a ((meth)acrylic acid)-based polymer in which a
compound represented by formula (1):



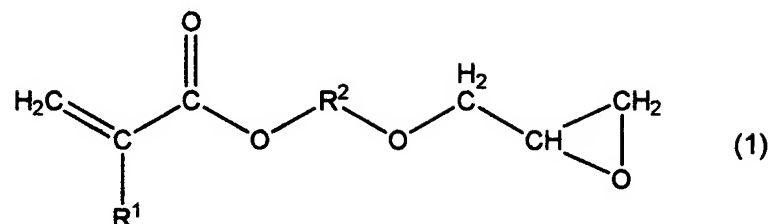
- (wherein R¹ represents H or Me; and R² represents a ~~linear~~ linear or branched C2-C10
alkylene group) has been added to portions of the carboxylic groups,
a photopolymerization initiator (B); and
water (C).

2. (original) A photosensitive resin composition according to claim 1, wherein
the carboxyl groups of the ((meth)acrylic acid)-based polymer to which the compound
represented by formula (1) has not been added are at least partially neutralized with an
alkali.

3. (previously amended) A method for forming a hydrogel characterized by
comprising subjecting a photosensitive resin composition as recited in claim 1 ~~or 2~~ to
photopolymerization.

4. (previously amended) A hydrogel produced by causing a photosensitive
resin composition to photopolymerize, the photosensitive resin composition
comprising

- a poly((meth)acrylic acid)-based water-soluble photo-sensitive resin (A) having
an acid value of at least about 170 mgKOH/g on a solid basis;
the resin (A) being formed of a ((meth)acrylic acid)-based polymer in which a
compound represented by formula (1):



(wherein R¹ represents H or Me; and R² represents a ~~linear~~ linear or branched C₂-C₁₀ alkylene group) has been added to portions of the carboxylic groups, a photopolymerization initiator (B); and water (C).

5. (previously amended) A hydrogel according to claim 4, wherein the carboxyl groups of the ((meth)acrylic acid)-based polymer to which the compound represented by formula (1) has not been added are at least partially neutralized with alkali.